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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/566,246	01/30/2006	Avshalom Ehrlich	26783	5469
7590 Mark M Friedman Bill Polkinghorn 9003 Florinway Upper Malboro, MD 20772	04/18/2007		EXAMINER GAMI, TEJAL	
			ART UNIT 2121	PAPER NUMBER
SHORTENED STATUTORY PERIOD OF RESPONSE		MAIL DATE	DELIVERY MODE	
3 MONTHS		04/18/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No.	Applicant(s)
	10/566,246	EHRLICH, AVSHALOM
	Examiner	Art Unit
	Tejal J. Gami	2121

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 30 January 2006.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-12 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 30 January 2006 is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>12/29/2006</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Drawings

1. The drawings are objected to because of the character of lines and numbers. The lines are not uniformly thick and well defined, clean, durable, and black (i.e., poor line quality) for Figures 1-8. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-12 are rejected under 35 U.S.C. 102(e) as being anticipated by Iida et al. (U.S. Publication Number: 2002/0180878).

As to independent claim 1, Iida discloses a method to provide feedback to an operator of a device having feedback delay (see Paragraph [0115]), comprising the steps of:

- a) displaying a first image of a view from the device, the device being at a first position (e.g., view position of the image currently displayed) (see Paragraph [0076]);
- b) issuing a movement command (e.g., optical operation command) to cause a desired movement of the device to a second position (e.g., target position) (see Paragraph [0076]); and
- c) displaying a second image of a predicted view (e.g., predictive frame) from the device at said second position (e.g., target position) prior to the operator receiving real feedback of said movement command (see Paragraph [0082] and [0099]).

As to independent claim 11, Iida discloses a feedback system for an operator of a device having a camera (see Paragraph [0115]), comprising:

Art Unit: 2121

a) a control arrangement configured for issuing a movement command (e.g., optical operation command) to cause a desired movement of the device from a first position (e.g., current view position) to a second position (e.g., target position) (see Paragraph [0076]); and

b) a display configured for:

i) displaying a first image of a view from the device, the device being at a first position (e.g., view position of the image currently displayed) (see Paragraph [0076]); and

ii) displaying a second image (e.g., predictive frame) prior to the operator receiving real feedback of said movement command (e.g., optical operation command), said second image (e.g., predictive frame) being a predicted view (e.g., predictive frame) from the device at said second position (e.g., target position), said second image being based upon at least part of said first image (e.g., comparing the current view position and the target position) (see Paragraph [0082] and [0099]).

As to dependent claim 2, lida teaches the method of claim 1, wherein said second image is based upon at least part of said first image (e.g., comparing the current view position and the target position) (see Paragraph [0082] and [0099]).

As to dependent claim 3, lida teaches the method of claim 2, wherein said second image includes a filler section outside of said at least part of said first image (see Paragraph [0046]-[0047] for *field of view*; and Paragraph [0099] for *capture range*).

As to dependent claim 4, lida teaches the method of claim 3, wherein said filler section includes a pattern (see Paragraph [0078]).

As to dependent claim 5, lida teaches the method of claim 4, wherein said filler section includes a repetitive pattern (see Paragraph [0080]).

As to dependent claim 6, lida teaches the method of claim 3, wherein said filler section includes historic image (e.g., old image) data of said predicted view (see Paragraph [0102]).

As to dependent claim 7, lida teaches the method of claim 1, further comprising the step of:

d) displaying a third image of an actual view from the device at said second position (e.g., corrected image) (see Paragraph [0102]).

As to dependent claim 8, lida teaches the method of claim 1, further comprising the step of:

d) limiting said movement command to ensure that said second image can be based upon at least part of said first image (see Paragraph [0046]).

As to dependent claim 9, lida teaches the method of claim 1, wherein said step of issuing said movement command (e.g., optical operation command) and said step of displaying said second image (e.g., target position), occur substantially at the same time (see Paragraph [0055]).

As to dependent claim 10, lida teaches the method of claim 1, wherein said step of displaying said first image is performed by displaying said first image on a screen (e.g., view position of the image currently displayed) (see Paragraph [0076]),

Art Unit: 2121

said screen having a frame disposed thereon, said first image being disposed substantially within said frame and wherein said step of displaying said second image (e.g., predictive frame) is performed by displaying said second image on said screen such that, said second image (e.g., predictive frame) includes substantially all image elements of said first image (e.g., comparing the current view position and the target position) (see Paragraph [0082] and [0099]).

As to dependent claim 12, Iida teaches the system of claim 11, wherein said display is further configured for displaying a third image of an actual view from the device at said second position (e.g., corrected image) (see Paragraph [0102]).

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Olbrich (U.S. Patent Number 6,840,627) teaches interactive display device.

Rankin et al. (U.S. Patent Number 5,489,099) teaches apparatus and method for tracking the flight of a golf ball.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tejal J. Gami whose telephone number is (571) 270-1035. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anthony Knight can be reached on (571) 272-3687. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2121

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Anthony Knight
Supervisory Patent Examiner
Tech Center 2100

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